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February 19, 2004

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Art Unit 2826

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/783,034; Filed: February 15, 2001

For: Die-Down Ball Grid Array Package with Die-Attached Heat Spreader and Method for Making the Same

Inventors:

KHAN et al.

Our Ref:

1875.0210000

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal Form PTO/SB/17;
- 2. Sixth Supplemental Information Disclosure Statement;
- 3. Form PTO-1449 citing document (1 sheet);
- 4. Copy of document cited on Form PTO-1449;
- 5. One (1) return postcard; and
- 6. Credit Card Payment Form PTO-2038 for \$180.00 to cover fee.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents February 19 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Mys W.

Jeffrey S. Weaver

Attorney for Applicants Registration No. 45,608

RES/JSW/asl Enclosures

231668v1

PTO/SB/17 (10-03)

(Complete (if applicable))

(202) 371-2600

19-04

Telephone

Date

45.608

Approved for use through 07/31/2006. OMB 0651-0032

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FEE TRANSMIT	TAL
for FY 2004	1

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180.00

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity statu	s. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

SUBMITTED BY

Name (Print/Type)

Signature

Jeffrev S. Weaver

Complete if Known				
Application Number	09/783,034			
Filing Date	February 15, 2001			
First Named Inventor	Reza-Ur Rahman Khan			
Examiner Name	Andujar, L.			
Art Unit	2826			
Attorney Docket No.	1875.0210000			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check X Credit card Money Order Order None	3. ADDITIONAL FEES					
*Charge any deficiencies or credit any overpayments in		Entity			•	
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Eas Daid
Account Number 19-0036	1051	130	2051	65	Surcharge - late filing fee or oath	Fee Paid
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or	
Name	1053	130	1053	130	cover sheet Non-English specification	
The Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments		2,520			For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to	
Charge fee(s) indicated below, except for the filing fee	4005	4 0 4 0 *	4005	4 0 40*	Examiner action	
to the above-identified deposit account.	1805	1,840*	1805	1,840"	Requesting publication of SIR after Examiner action	-
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	-
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Paid Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402		• ,,	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510		1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 0	1452	110	2452	55	Petition to revive - unavoidable	<u> </u>
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453	665	Petition to revive - unintentional	
Fee from		1,330	2501	665		
Total Claims Extra Claims below Fee Paid Total Claims X = X	1502	480	2502	240	3	
Independent 20	1503	640	2503	320		\vdash
Claims — — - 3 - — — ^ — — - 4 — — — Multiple Dependent	1460	130	1460	130		
Large Entity Small Entity	1807	50	1807	50	3 (1)	180.00
Fee Fee Fee Fee Description	1806	180	1806	180	Pocarding each patent assignment per	100,00
Code (\$)	8021	40	8021	40	property (times number of properties)	
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	, , , ,	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0	Other	fee (sp	ecify) _			
**or number previously paid, if greater; For Reissues, see above	*Redu	uced by	Basic	Filing F	Fee Paid SUBTOTAL (3)	180.00

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KHAN et al.

Appl. No.: 09/783,034

Filed: February 15, 2001

For: Die-Down Ball Grid Array

Package with Die-Attached Heat Spreader and Method for Making

the Same

Confirmation No.: 5713

Art Unit: 2826

Examiner: Andujar, L.

Atty. Docket: 1875.0210000

Sixth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this
 Information Disclosure Statement was cited in a communication from a foreign
 patent office in a counterpart application and this communication was not
 received by any individual designated in 37 C.F.R.
 § 1.56(c) more than thirty
 days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart

foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of

 ______ in payment of the fee under 37 C.F.R. § 1.17(p).
- - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

⊠ b.	Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of
	information in this Information Disclosure Statement was cited in a
	communication from a foreign patent office in a counterpart foreign
	application and, to my knowledge after making reasonable inquiry, was
	known to any individual designated in 37 C.F.R. § 1.56(c) more than
	three months prior to the filing of this Information Disclosure Statement.
	37 C.F.R. § 1.97(e)(2).

The document(s) was/were cited in a search report by a foreign patent office in a
counterpart foreign application. Submission of an English language version of
the search report that indicates the degree of relevance found by the foreign office
is provided in satisfaction of the requirement for a concise explanation of
relevance. 1138 OG 37, 38.

☐ 6.	A concise explanation of the relevance of the non-English	language	document(s)
	appears below:		

7. Copies of the documents are submitted herew
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☐ 8.	Copies of the documents were cited by or submitted to the Office in an IDS that
	complies with 37 C.F.R. § 1.98(a)-(c) in Application No, filed
	, which is relied upon for an earlier filing date under 35 U.S.C. §
	120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO 1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey S. Weaver Attorney for Applicants Registration No. 45,608

Date: February 19, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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